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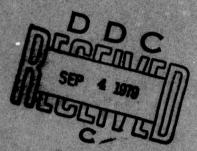
DR 1042 July 1979

METEOROLOGICAL DATA REPORT

19702A GSRS Missile No. 321 Round No. B-25 9 July 1979

by

White Sands Meteorological Team



ATMOSPHERIC SCIENCES LABORATORY WHITE SANDS MISSILE RANGE, NEW MEXICO

ELECTRONICS COMMAND

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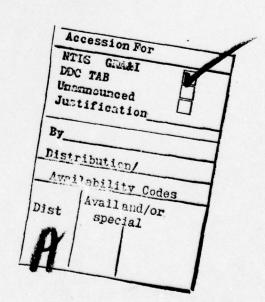
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INTRODUCTION

 $\frac{19702A~\text{GSRS}}{\text{from}~\text{LC}-33}$, Missile Number $\frac{321}{321}$. Round Number $_{\text{B}-25}$. was launched from LC-33 , White Sands Missile Range (WSMR). New Mexico, at $\frac{1301}{1301}$ MDT, $\frac{9~\text{July}~1979}{1301}$. The scheduled launch time was $\frac{1300}{1300}$ MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3) , wind direction and speed, and cloud cover were made at the LC-33 Met Site at I-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

h. Upper Air

(1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

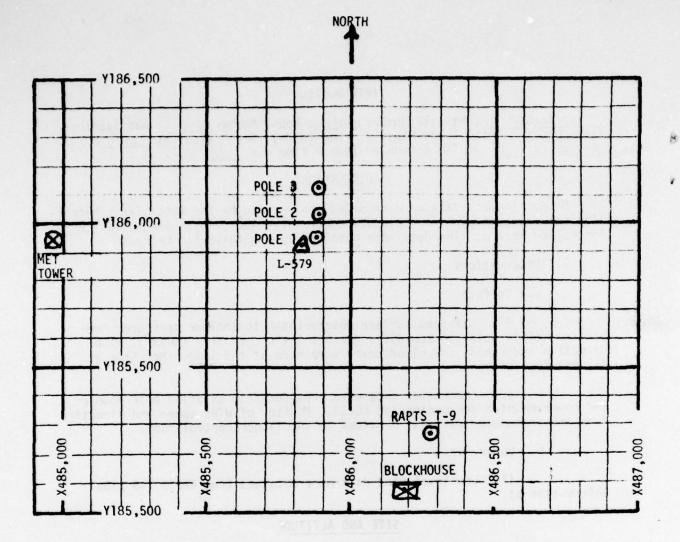
SITE AND ALTITUDE

LC-33 1080 meters 1250 MDT LC-33 1080 meters 1301 MDT

(2) Air structure data (rawinsonde) were collected at the following Met Sites. Data were collected from surface to 66,000 feet in 500-feet increments.

SITE AND TIME

SMR 1230 MST



- MET TOWER 4 Bendix Model T-120 Anemometers at 12 ft, 62 ft, 102 ft and 202 ft with E/A recorders.
- 2. POLE ANE: MMETER Bendix Model T-120 with E/A recorders.
 - (a) Pole #1 38.7 ft
 - (b) Pole #2 53.0 ft
 - (c) Pole #3 83.6 ft
- 3. RAPTS T-9 Radar Automatic Pilot-Balloon Tracking System T-9 Radar.

TABLE 1. Surface Ovservations taken at LC-33 9 July 1979 at 1301 MDT, 19702A GSRS, Missile No. 321, Round No. B-25.

1

ELEVATION	3977.30	FT/MSL
PRESSURE	880.4	MBS
TEMPERATURE	35.0	•c
RELATIVE HUMIDITY	26	2
DEW POINT	12.5	°c
DENSITY	989	GM/M ³
WIND SPEED	05	MPH
WIND DIRECTION	030	DEGREES
CLOUD COVER	1 cu	

The second of th

NOTE: Wind directions are majoranced to the firing azimuth or true north and account

TABLE 2. LC-33 FIXED POLE ANEMOMETER-MEASURED WINDS

	POLE #1			POLE #2			POLE #3			
T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH	T-TIME SEC	DIR DEG	SPEED		
-30	000	00	-30	330	08	- 30	287	06		
-20	000	00	-20	330	09	-20	303	06		
-10	000	00	-10	336	06	-10	308	06		
0.0	000	00	0.0	332	08	0.0	316	03		
+10	000	00	+10	307	06	+10	324	02		

						321 at	Round	No.	B-25	_	launched
POLE	#1	=	X485	,874.29	Y185	,958.90	H4018.7	4	38.7	ft.	AGL
POLE	#2	-	X485	,874.93	Y186	,012.00	H4033.5	7	53.0	ft.	AGL
POLE	#3	•	X485	,877.29	Y186	,116.06	H4063.9	2	83.6	ft.	AGL
	POLE POLE	POLE #1 POLE #2	LC-33 POLE #1 = POLE #2 =	LC-33 on POLE #1 = X485 POLE #2 = X485	<u>LC-33</u> on <u>9 July</u> POLE #1 = X485,874.29 POLE #2 = X485,874.93	LC-33 On 9 July 1979 POLE #1 = X485,874.29 Y185 POLE #2 = X485,874.93 Y186	<u>LC-33</u> on <u>9 July 1979</u> at POLE #1 = X485,874.29 Y185,958.90 POLE #2 = X485,874.93 Y186,012.00	LC-33 on 9 July 1979 at 1301 MDT POLE #1 = X485,874.29 Y185,958.90 H4018.7 POLE #2 = X485,874.93 Y186,012.00 H4033.5	LC-33 on 9 July 1979 at 1301 MDT . POLE #1 = X485,874.29 Y185,958.90 H4018.74 POLE #2 = X485,874.93 Y186,012.00 H4033.57	LC-33 on 9 July 1979 at 1301 MDT . POLE #1 = X485,874.29 Y185,958.90 H4018.74 38.7 POLE #2 = X485,874.93 Y186,012.00 H4033.57 53.0	LC-33 on 9 July 1979 at 1301 MDT . POLE #1 = X485,874.29 Y185,958.90 H4018.74 38.7 ft. POLE #2 = X485,874.93 Y186,012.00 H4033.57 53.0 ft.

TON	E:	Wind d	irections	are	referenced	to	the	firing	azimuth	
or	true	north	true	nor	th.					

TABLE 3. LC-33 METEOROLOGICAL TOWER ANEMOMETER-MEASURED WINDS (202 FT. TOWER)

	LEVEL #1 12 ft.		LEVEL #2 62 ft.				
T-TIME SEC	DIR	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH		
-30	М	07	-30	260	08		
-20	М	10	-20	250	12		
-10	М -	09	-10	249	10		
0.0	М	07	0.0	246	08		
+10	М	06	+10	253	07		
ι	EVEL #3 102 ft.		LEVEL #4 202 ft.				
T-TIME SEC	DIR	SPEED MPH	T-TIME SEC	DIR DEG	SPEED MPH		
-30	247	02	-30	240	06		
-20	258	04	-20	245	06		
-10	267	06	-10	250	06		
0.0	265	04	0.0	252	07		
+10	274	03	+10	254	08		

WTSM Coordinates: X484,982.64 Y185,957.73 H3983.00 (base)

Type 19702A GSRS , Missile No. 321 , Round No. B-25 launched from LC-33 on 9 July 1979 at 1301 MDT.

NOTE: Wind directions are referenced to the firing azimuth or true north true north .

TABLE 4. PILOT-BALLOON-MEASURED WIND DATA (30-METER INCREMENTS)

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
SFC	CALM	
30	347	0.5
60	334	0.5
90	321	0,5
120	307	0.5
150	322	1.0
180	337	1.5
210	352	2.0
240	006	2.0
270	356	3.0
300	346	4.0
330	336	5.0
360	326	5.5

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
390	335	6.0
420	344	6.0
450	353	6.0
480	001	6.0
510	001	6.5
540	360	7.0
570	360	7.5
600	359	7.5
630	356	8.0
660	352	8.0
690	349	8.5
720	345	8.5
750	342	9.0

Release Point Coordinates (WSTM): X486,037.24 Y486,037.24 H3977.30

Released from LC-33 on 9 July 1979 at 1250 MDT .

Type 19702A GSRS, , Missile No. 321 , Round No. B-25 launched from LC-33 on 9 July 1979 at 1301 MDT.

NOTE: Wind directions are referenced to the firing azimuth or true north true north.

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
780	338	9.5
810	335	10.0
840	331	10.5
870	331	10.5
900	330	10.0
930	330	10.0
960	329	9.5
990	326	9.5
1020	322	9.5
1050	319	9.5
1080	315	9.5
1110	331	
1140	100	
1170		
1200	Beu 36 YE	3,814
1230		ron con
1260		/// Hence 2
1290		
1320	170	
1350		
1380		
1410		

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
1440	7270210	JOA
1470		1 215
1500		00
1530		4
1560		9
1590		
1620	4	
1650		
1680		
1710		
1740		
1770		
1800		
1830		
1860	act and brains	3.09
1890	00 22 18 22	1047 00141
1920		4.1
1950		Kerti ii
1980		03 10H 20H
2010		
2040		
2070		

TABLE 5 . PILOT-BALLOON-MEASURED WIND DATA (30-METER INCREMENTS)

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
SFC	CALM	CALM
30	"	"
60	n .	11
90	"	"
120	n	"
150	"	11
180	"	11
210	ıı .	"
240	"	"
270	033	1.0
300	021	2.0
330	009	3.0
360	356	4.0

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
390	338	5.5
420	320	6.5
450	302	7.5
480	283	8.5
510	290	7.5
540	297	6.0
570	304	4.5
600	311	3.0
630	306	5.5
660	301	7.5
6 90	296	9.5
720	291	11.5
750	298	10.5

Release Point Coordina	tes (WSTM): X486,	037.24	Y486,037.	24 нз977.30
Released from LC-33	on 9 Jul	ly 1979	at_	1301 MDT .	
Type 19702A GSRS , from LC-33 on 9 July	Missile	No. 321 at	, R	ound No. B	25 launched
NOTE: Wind directions or true north <u>true nor</u>	are refe	renced to	the fir	ing azimuth	

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
780	305	9.0
810	312	7.5
840	318	6.0
870	323	6.0
900	327	6.0
930	331	6.0
960	335	5.5
990	323	6.0
1020	310	6.5
1050	297	7.0
1080	284	7.5
1110		
1140		
1170		
1200		
1230		
1260		
1290		
1320		
1350		
1380		
1410		

HEIGHT METERS AG	DIRECTION DEGREES	SPEED MPH
1440		
1470		
1500		
1530		
1560		
1590		
1620		
1650		
1680		999
1710		
1740		
1770		
1800		
1830		
1860		
1890		
1920		
1950		
1980		
2010		
2040		
2070		

REL.HUM. PERCENT	8 44 90 0 9 9	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
RATURE DEWPOINT CENTIGRADE	0 0 4 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00000000000000000000000000000000000000	n u t v v
TEMPE AIR DEGREES	8 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		$\begin{array}{c} 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 & 1 $
GEOMETRIC ALTITUDE MSL FEET	0. 500 5 04 5	703 703 703 703 703 672	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
PRESSURE MILLIBARS	200000000000000000000000000000000000000	24.00 P 94.00	t 10 10 t 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

				_	_								_	_			_				_		_												_		_				_
INDEX	KEFRACTION	1.000317	1.000317	1.000263	1.000258	1.000256	1.000253	5	000	00024	00004	(4)	1.000233	.00022	00022	00022	.00001	.00021	1.000211	.00020	.00020	00019	.00018	20	00017	7	00017	00016	10	00016	0.	0015	00015	000014	014		0014	00014	00014	0001	.00013
1	KNOTS	0.	0.	1.	6.					2.7									0	0		0											•	:	3		2	. 4	9	0	-
*	DEGREES (TN)	100		47.4	100		4.76	- 12	97.4		108.0	15.	135.4	45	63	60	T.t	16	-	50	0,7	19	10	10	050	3	.05	16	353.0			9	55.	t	43.	.0	36	34.	31.	330.8	31.
SPEED OF	ANOTS ANOTS	:	691.3	-				1.770		574.2	•		6.009		:	:	•		*			54.	54.	51.	64	40.	50.	50.	50.	0	56.	56.	-	50.	41.		33.		30.	3	6.7.2
TY	METER METER	973.4	973.4			2.000				907.7		855.2							610.5					101.0					4.109		665.5	•	0	56.	36.	636.5	27.	17.	.90	6669	C
REL. HUM.	באכבאי	00	7	.:	-	,	5		a	30.7	è		56.1		ė	0	i		9	8	3	.9	7		7	9	i	t	5	i	:	0	o.	ü	'n	10	·	0	ċ	0	·
ERAT	CENTISRADE	:		5.7		1		7.4	•	6.5	•		5.4		•				.7				-6.9	-11	·	-15.9	5	13.	14	14.	12	15.	-	0	20.		0	S	ci	-23.5	in
	DEGREES			34.1					26.5	25.0			20.4						11.3					0.0	•	4.7	· · · ·	5.0	5.2	5.3	2.0	5.0	5.0	-	-		-9.1	-		-12.9	-14.1
PRESSURE	MILLIBARS	676.6	0	2	90	835.1		807.8	794.0	760.4	157.0	753.9	•							953.b										243.0	555.3	523.1	513.5	204.0	9.404	O	13	60.	2	2.844	1)
GEOMETHIC ALLICTUME	MSL FEET	3997.3																							?	40			17000.0		19000-0		•	•	•		.000	36.	00	22550.0	C

to the second second

COOMDINATES GU34 LAT DEG 2307 LON DEG	INDEX OF REFRACTION	1.000133	1.000131	-	1.000126	-	-	-				-		1.000106					1.000098																	1.000068		
6E0DETIC 32.4 106.4	SPEED KNOTS	32.7	34.7	35.4	36.7	28.0	0.60	1000	41.4	42.3	43.0	43.5	43.3	45.8	42.7	42.7	0.44	45.6	51.0	26.0	61.1	66.3	9.89	0.69	68.9	9.89	6.79	6.00	200	67.4	70.0	6.69	67.6	2.49	61.3	29.1	29.1	59.5
	DIRECTION DEGREES(TN)	33.	36.	338.3	336.9	01.00	1.100	3.55.0	334.0	333.8	332.6	330.8	328.9	326.9	327.8	329.3	331.8	333.7	333.6	332.7	332.5	334.5	332.0	531.3	329.9	320.1	323.9	350.5		314.7						:	306.2	304.4
OATA U.C.	SPEED OF SOUND KNOTS	625.8	9.439	620.3	622.1	4.000	1.619	0.110	6.4.6	613.1	611.6	610.1	608.5	606.8	605.1		601.7	299.9	596.2	596.4	595.3	595.9	592.4	591.0	569.5	587.9	586.5	204.0		579.7	578.5	577.5	576.5	575.6	574.6	574.5		574.4
JPPER AIR D 190006025 S M R	DENSITY S GM/CUBIC METER	561.3	571.9	562.7	553.7	3.	5.55.5	519.5	2115	503.3	4.664	487.6	6.624	472.3	6.494	457.6	4-054	D.033	436.2	419.9	412.2	1.00+	398.0	391.1	384.4	10/10	1.1/6	30400	350.0	346.1	339.6	332.6	326.2	319.6	313.2	305.9	298.3	294.7
	REL.HUM. PERCENT	33.9	32.0	30.1	28.3	1.001	30.4		34.3	35.6	36.9	39.2	39.9	45.0	44.1	46.3			בי בי בי	; :	100	6.54	-	4*5.7														
ET MSL	ERATURE DEMPOINT CENTIGRADE	-27.5	-29.0	-30.6	-32-1		- 23.5	1.45-	-35.4	-36.3	-37.0	-37.8	-38.5	-39.3	0.01-	6.04-	-41.7		1000			-52.6	-57.1															
7.30 FE	TEMP AIR DEGREES	-15.2	-16.2	-17.2	-16.3	1	200.1	-22-1	-24.3	-25.5	-26.8	-28.0	-29.5	-30.5	-32.0	-33.3	-34.7	-36.0	4.75-	-38.8	-39.7	3.04-	-41.9	-43.0	7-44-	140.4	0.7.1	-40.2	1000	-51.7	-52.7	-53.4	-54.1	-24.9	-55.6	-55.7	-52.4	22.8
HLTITUDE 399	PRESSURE MILLIBARS	430.6	422.0	413.6	400.3	0.750	2000	373.6	365.3	357.8	350.5	343.3	330.1	326.9	321.9	315.1	208-4	301.8	283.8	262.5	270.3	2.072	2.492	254.4	252.6	2.012	2.142	230.4	225.1	220.0	214.9	.60	205.0	2002	195.5	190.9	186.5	•
STATION ALTIT 9 JULY 79 ASCENSION NO.	GEONETHIC ALTITUDE MSL FEET	23500.0	24000-0	24500.9	25000.0	מיוולכני	0-00000	27000.0	27500.0		28500.0	2900000	29500.0	3000000	30500.0	31000.0	31500.0	32000.6	33000-0		34000						37500.0		38500-0			-	-	000		000	45200.0	2000

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

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STATION ALTITUDE 3997.30 FEET MSL 9 JULY 79 1230 HRS MST ASCENSION NO. 230

GEOMETRIC ALTITUDE	PRESSURE	TEMPERATURE ATR DEWPOTNT	REL. HUM.	DENSITY	F	MIND DATA	TA	INDEX
MSL FEET	HILLIBARS	O		METER	KNOTS	DEGREES (TN)	KNOTS	REFRACTION
43500.0	7.771	-56.7		256.0	573.2	302.4	58.1	1.000064
4400000		-57.6		280.4	572.0		56.6	1.000062
445011.0		-58.5		274.9	570.7	300.9	54.5	1.000061
45000.0		-59.5		269.5	569.5	301.3	52.2	1.000060
		00·t		204.2	5000	201.0	50.9	1.000059
-	157.5	-61.2		258.9	567.2	.90	49.4	00000
-	-	-00-E		252.2	567.8	509.1	45.2	00000
47000.0	150.0	-61.2		245.4	19	311.9	6.04	00000
47500.0		-62.1		241.4	55	310-1	33.9	00000
	145.6	-63.1		236.5		307.3	9	00000
48500.0	-	-64.1		271.7	563	295.2	24.6	
4900000	-	-65.0		227.0		281.3	5	00000
49500.0		9.99-		222.4		273.5	24.4	1.000050
2000000	129.0	6.99-		217.9	559	5.67.9	25.6	10000
50500.0		-67.9		213.5	556.1	266.4	5	1.000048
51000.0		6.89-		209.5	556.8	208.2	25.3	1.000047
51500.0	119.5	-69.3		205.0	555.5	270.3	+	
52009.0	-	-70.8		200-9	554.2	273.1	24.5	1.000045
52500.0		-71.8		190.8	u,	276.0	÷	+00000
53000.0		-72.7		192.9	נט	290.1	6	1.000043
53500.0	109.	-73.4		183.7	550.6	312.3	16.2	1.000042
24009.0	105.	-73.9		134.2	11)	320.8	;	1.000041
0.00000	102.	-74.5		1/9.9		320.5	3	1.000040
55000.0	100	-73.8		174.9	550	316.4	11.5	1.000039
55500.0	97.	-72.9		169.7		304.0	3	00000
550000.0	95.	-71.3		164.0	S	595.4	16.6	1.000037
56503.3	92.	-20.0		158.8		301.9	3	1.000035
27000.0	•06	-69.9		154.8		319.0	14.7	1.000034
57500.0	99.	1.69-1		150.8		337.7	14.8	1.000034
-	-	6.89-		145.4	.v	1.5	8.0	1.000033
58500.0	33.1	6.10-		142.1	4,	9.99	6.5	1.000032
-		-60.8		137.8	T)	102.3	6.6	1.000031
		-67.9		135.1	S	115.9	13.2	1.000030
.000		-67.9		131.7	ເດ	122.2	16.1	1.000029
-	75.7	6.99-		127.9	r)	117.1	+	1.000028
01000.0		-65.9		124.1	560.	111.2	13.8	00000
		-65.0		120.5	uı	08	13.6	1.000027
-	70.5	-64.1		117.1	563.2	106.4	13.8	1.000026
62560.0	00.00	-63.2		113.7	564.4	105.2	14.3	00000
-	6.00	-62.6		110.0	565.3		16.2	1.000025

GEODETIC COOKDINATES 32.48634 LAT DEG 106.42307 LON DEG	INUEX OF KEFRACTION	1.000024 1.000023 1.000023 1.000022 1.000022
6E0DETI 32. 106.	SPEED KNOTS	18.1
	WIND DATA DIRECTION SP DEGREES(IN) AN	100.6
Sc		104.9 556.6 102.1 567.2 49.4 567.9 90.3 500.5 94.5 560.5
UPPER AIM DATA 1900060250 S M R	REL.HUM. DENSITY SPEED OF PERCENT GWZCDJIC JOUND METER ANOTS	1077.7 1004.9 1004.9 1009.1
3	REL.HUM. PERCENT	
FEET NSL	PRESSURE TEMPERATURE AIR DEMPOINT WILLIAARS DEGREES CENTIGRADE	4 6 4 4 9 4
97.30 1230 P	DEGRE	-62.1 -61.6 -60.7 -60.7 -59.7
TITUEE 39	PRESSURE WILLI3ARS	65.5 62.7 60.7 60.7 54.8 54.8
STATIGN ALTITUDE 3997.30 FEET NSL 9 JULY 79 1230 HRS MS1 ASCENSION NO. 250	GECARTHIC PRESSURE ALTITUDE MSL FEET MILLIDARS	04800.0 04800.0 04500.0 05000.0 05000.0

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WRN SIGNIFICANT LEVEL DATA 1900060230 S W R	
STATICH ALTITUDE 3997.30 FEET MSL 9 JULY 79 1230 HRS MST ASCENSION NO. 239	

6E0DETIC COOMDINATES 32.48034 LAT DEG 106.42307 LON DEG

PRESSURE MILLIBARS	5.740+1 7.320+1 7.320+1 7.870+1 8.150+1 8.740+1 9.550+1
TEMPERATURE AIR DEG C	559.6 665.6 665.6 770.0 72.0
DEW PT DEP	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
2 Z	**************************************
N-S N-S MPS	*
SPEED MPS	***************************************
DIMECTION DEG (TN)	99999.** 106- 109- 120- 162- 592- 597-
GEUPOTENTIAL ALT+TUDE JECAMETEMS	2003. 1906. 1858. 1814. 1751. 1711.

** WIND DATA NOT COMPUTED DUE TO MISSING RAW AZINUTH AND CLEVATION ANGLES.

TRUM ONEY PURESTRUMENTY PRECEICABLE

STATICH ALTITUDE 3497.30 FEET HS. 9 JULY 79 1230 HRS MST ASCENSION NO. 230

GEODETIC COOKDINATES 32.46034 LAT DEG 106.42397 LOH DEG

DIRECTION SPEED DEGREES(TN) KNOTS	6. 4.76		124.1 1.8		320.2 10.6			345.7 13.3													
REL . HUM. PERCENT	22.	28.	35.	40.	0.1	28.	25.	20.	41.	.67	37.	50.									
TEMPERATURE R CEMPOINT EES CENTIGRADE	7.9	7.2	5.3	2.5	.:	-12.5	-14.3	-10.3	-23.2	-32.0	-37-1	-43.1									
DESR	32.6	27.2	21.4	16.0	0.0	4.5	5.2	2.2	-12.6	-19.0	-26.8	-36.4	8.44-	-54.9	-57.3	-61.2	-63.2	-73.7	-67.7	-64.0	-50.5
PRESSURE GEOPOTENTIAL ILLIBARS FEET	5923.			10593.										40926.			50524.			61855.	0+932.
PRESSURE MILLIBARS	850.0	800.0	750.0	700.0	659.6	6.609	550.0	500.0	450.0	6.00.0	350.0	300.0	250.0	200.0	175.0	150.0	125.0	100.0	39.9	20.07	0.09

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MRN MANDATORY LEVELS 1990000250	æ E
STATION ALTITUDE 3997.33 FEET MSL	ASCENSION NO. 230 LAS MSI

SEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG

PRESSURE MILLIJARS	6.000+1	7.000+1	8.000+1	1.000+2	1.250+2	1.500+2	1.750+2	2.000+2	2.500+2	3.000+2	3.500+2	4.000.4	4.500+2	5.000+2	5.500+2	2.000.9	6.500+2	7.000+2	7.500+2	8.000+2	8.500+2
TEMPERATURE AIR DEG C	-60.5	0-49-	67.7	-73.7	-68.2	-61.2	-57.3	-54.9	8.44-	-36.4	-26.8	-19.0	-12.6	2.2	5.5	4.5	6.6	16.0	21.4	27.2	32.6
DEW PT DEP DEG C	26	66	66	66	55	66	66	56	66	07	10	14	:	20	19	17	10	13	16	20	25
다. 소. 다.	•																				
DATA N-S MPS	***6656-	2.		-6.	:	-14.	-15.	-22.	-30-	-21.	-50.	-16.	-13.	-7.	-5.	-5.		-2.	1:	•	• 0
SPEED CARE MPS																					
U.RECTION UES (TN)	*** 6656	106.	113.	.716	./02	312.	301.	512.	329.	. 450	• • • • • • • • • • • • • • • • • • • •	. 655			.000		.0.70	.110	124.	./.	.7.
GEOPO FENTIAL ALTATODE DECAME IERS	1961	1000.	1804	1976	1040	1469.	1332.	./+21	1106.	916.	77.	• 1//	- 200	53	. 756	. 100	163.		• +07	.702	.567

** WIND DATA NOT COMPUTED DUE TO NITSING RAW AZIMUTH AND ELEVATION ANGLES.

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